

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

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The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Aerial age. New York. v. 8. December 9, 1918.

The Shotwell electric weather vane for aerodromes and post master's office. p. 672.

Engineering news-record. New York. v. 82. 1919.

Redinger, D. H. Air currents or Lorelei. p. 108-109. (Jan. 9.) [Describes a mysterious acoustic phenomenon occurring on Huntington Lake, Cal.]

Why not use machinery for snow removal at railway terminals? p. 217. [Jan. 30.]

Journal of geography. New York. v. 17. December, 1918.

Ward, Robert DeCourcy. A short bibliography of United States climatology. p. 137-144.

Miami conservancy district. Bulletin. Dayton, Ohio. v. 1. January, 1919.

The conservancy weather and flood warning service. p. 93-94. [Describes establishment of stations and cooperation with Weather Bureau. To be reprinted in M. W. R.]

Nature. London. v. 102. 1918.

Dines, J[ohn] S[omers]. Cyclonic circulation. p. 284-285. (Dec. 12.) [Discusses possibility of cyclones rotating clockwise in Northern hemisphere.]

Mawson, Douglas. The antarctic ice-cap and its borders. p. 315-316. (Dec. 19.)

B., W. W. A new theory of the ice age. p. 335-336. (Dec. 26.) [Discusses papers by C. E. P. Brooks, on continentality and temperature.]

Harries, Hy. Some temperature anomalies. p. 364-365. (Jan. 9, 1919.)

Dines, J[ohn] S[omers]. Wind circulation of the globe. p. 348-349. (Jan. 2, 1919.) [Abstr. of memoir by Hildebrandsson.

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Royal society. London. Proceedings. v. 95. no. A668.

Hercus, E. O., & Laby, T. H. The thermal conductivity of air. p. 190-210.

Chree, C[harles]. Electric potential and atmospheric opacity at Kew observatory. p. 210-234.

Schweizer. Aero-Klub. Bulletin. Bern. 12. Jahrgang. Oktober 1918. Frantzen, Lucien-Pierre. Cerfs-volants météorologiques. p. 155-158. [Repr. from Aérophile.]*Science.* New York. v. 48. December 27, 1918.

The Smithsonian "solar constant" expedition to Calama, Chile. p. 635-636. [See also Proc. Nat. Acad. Sci. 4: 313-316.]

Science. New York. v. 49. 1919.

MacCaughey, Vaughan. Tropical enervation. p. 44-46. (Jan. 10.) Lovejoy, Frederick A., & Allen, Francis H. An uncommon ice formation. p. 119-120. (Jan. 31.)

Scientific American supplement. New York. v. 87. January 4, 1919.

McAdie, Alexander. Uniformity in aerographic records. The desirability of universal scientific units. p. 15-16. [Repr. Annals Harvard College Obsy.]

Tokyo mathematical-physical society. Tokyo. Proceedings 2 ser. v. 9. December 1918.

Aichi, Keiichi. On the penetration of the periodic temperature waves into a substance, having no uniform constitution, especially into the soil. p. 527-541.

Nakamura, Saemontaro. Note on the Tsunamis. p. 548-555.

Archives des sciences physiques et naturelles. Genève. 4 période. v. 46. Octobre-novembre 1918.

Gautier, Raoul, & Rod, Ernest. Nouvelles moyennes pour les principaux éléments météorologiques de Genève de 1826 à 1915 ou 1917. p. 210-230.

Società degli spettroscopisti italiani. Memorie. Catania. v. 7. Luglio, Agosto, Settembre 1918.

Platania, Giovanni. Osservazioni dei punti neutri della polarizzazione atmosferica. p. 84-88.

Bemporad, A. Studio dell'estinzione atmosferica per stelle di diversi tipi spettrali. p. 94-99.